

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

10/509200

(19) World Intellectual Property
Organization
International Bureau



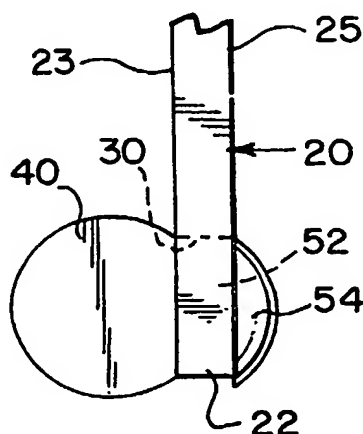
(43) International Publication Date
16 October 2003 (16.10.2003)

PCT

(10) International Publication Number
WO 2003/085697 A3

- (51) International Patent Classification⁷: **H01R 4/02**
- (21) International Application Number:
PCT/US2003/010149
- (22) International Filing Date: 1 April 2003 (01.04.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/369,413 1 April 2002 (01.04.2002) US
- (71) Applicant (for all designated States except US): **INTER-
PLEX NAS, INC.** [US/US]; 120-12 28th Avenue, Flush-
ing, NY 11354 (US).
- (72) Inventors; and
(75) Inventors/Applicants (for US only): **SEIDLER, Jack**
[US/US]; 120-12 28th Avenue, Flushing, NY 11354 (US).
ZHITOMIRSKY, Aleksandr [US/US]; 6735 Ridge
Boulevard, Brooklyn, NY 11220 (US).
- (74) Agents: **ELLIS, Edward, J. et al.**; Darby & Darby P.C.,
P.O. Box 5257, New York, NY 10150-5257 (US).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW,
MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD,
SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:
— with international search report
- (88) Date of publication of the international search report:
10 June 2004
- For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: SOLDER-BEARING ARTICLES AND METHOD OF RETAINING A SOLDER MASS THEREON



(57) Abstract: A method of retaining a solder mass (40) to a solder-bearing article (20) is provided and includes the steps of: (a) disposing a length of solder mass over at least some of the plurality of openings (30); and forming a plurality of solder rivets along the length of the solder mass. The solder rivets serve to retain the length of solder mass to the solder-bearing article. The solder-bearing article includes any number of different types of components where a solder mass is held thereby, e.g., leads, terminals, connectors, electromagnetic shields, etc.

WO 2003/085697 A3